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(54) Title: SURFACE-TREATED CALCIUM CARBONATE PARTICLES

(57) Abstract: The particles comprise a core of calcium carbonate and a coating covering at least part of the surface of the core, the coating being carried out in at least two distinct consecutive steps, each step using a different coating agent. The coating agent used in the first step is preferably a fatty acid and the coating agent used in the second step is preferably a diol or a triol. The particles can be used as a functional filler, i.e. in plastisols formulations.

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